

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	10	"6467476"	US-PGPUB; USPAT	OR	OFF	2006/06/23 13:59
L2	3	"6539937"	US-PGPUB; USPAT	OR	OFF	2006/06/23 14:15
L3	1	"6985798"	US-PGPUB; USPAT	OR	OFF	2006/06/23 14:57
L4	10	"6467476"	US-PGPUB; USPAT	OR	OFF	2006/06/23 15:23
L5	14	"4561298"	US-PGPUB; USPAT	OR	OFF	2006/06/23 15:24
L6	2	10/670641	US-PGPUB; USPAT	OR	OFF	2006/06/23 15:43
L7	107	("2491418"   "2666326"   "2785567"   "2837914"   "2998723"   "3075382"   "3110890"   "3163843"   "3237451"   "3241368"   "3252325"   "3286098"   "3312107"   "3324716"   "3357245"   "3427652"   "3494185"   "3540275"   "3596510"   "3683212"   "3693613"   "3769834"   "4072046"   "4229798"   "4303376"   "4318674"   "4341116"   "4430891"   "4474061"   "4535627"   "4561298"   "4599892"   "4640130"   "4651555"   "4689553"   "4704802"   "4713966"   "4754186"   "4764166"   "4778451"   "4808161"   "4811595"   "4818186"   "4821558"   "4826482"   "4842589"   "4874359"   "4899573"   "4927411"   "4944191"   "4949584"   "4971516"   "4976162"   "4991433"   "5000664"   "5054316"   "5088515"   "5195986"   "5211201"   "5241985"   "5251482"   "5261274"   "5303585"   "5309760"   "5349852").PN. OR ("5575310").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/06/23 15:44
L8	1	7 and aerosol and signal and acoustic	US-PGPUB; USPAT; USOCR	OR	OFF	2006/06/23 16:18
L9	10	"6467476"	US-PGPUB; USPAT; USOCR	OR	OFF	2006/06/23 16:18

## EAST Search History

S1	2	("5156776").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2006/05/30 16:34
S2	23	("4471773"   "4611590"   "4629478"   "4905685"   "5030253").PN. OR ("5156776").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/05/30 16:38
S3	30	("20020153006"   "3561444"   "4370968"   "4474061"   "4484577"   "4811595"   "5156776"   "5349852"   "5526844"   "5533389"   "5575310"   "5641892"   "5653227"   "5842468"   "5884620"   "5906202"   "5921232"   "5957124"   "6008468"   "6026808"   "6095141"   "6119684"   "6167880"   "6192882"   "6196219"   "6325062"   "6349719"   "6425392"   "6655381"   "6748945").PN. OR ("7021560"). URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/05/30 16:45
S4	32	"5349852"	US-PGPUB; USPAT; USOCR	OR	OFF	2006/05/30 16:45
S5	83	("2491418"   "2666326"   "2785567"   "2837914"   "2998723"   "3075382"   "3110890"   "3163843"   "3237451"   "3241368"   "3252325"   "3286098"   "3312107"   "3324716"   "3357245"   "3427652"   "3494185"   "3540275"   "3596510"   "3683212"   "3693613"   "3769834"   "4072046"   "4229798"   "4303376"   "4318674"   "4341116"   "4430891"   "4474061"   "4535627"   "4561298"   "4599892"   "4640130"   "4651555"   "4689553"   "4704902"   "4713966"   "4754186"   "4764166"   "4778451"   "4808161"   "4811595"   "4818186"   "4821558"   "4826482"   "4842584"   "4874359"   "4899573"   "4927411"   "4944191"   "4949584"   "4971516"   "4976162"   "4991433"   "5000664"   "5211201").PN. OR ("5349852"). URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/05/30 16:46
S6	20	S5 and microphone	US-PGPUB; USPAT; USOCR	OR	OFF	2006/05/30 16:47

## EAST Search History

S7	12	"5443059"	US-PGPUB; USPAT; USOCR	OR	OFF	2006/05/30 16:48
S8	168	"5522385"	US-PGPUB; USPAT; USOCR	OR	OFF	2006/05/30 16:48
S9	16	"5641892"	US-PGPUB; USPAT; USOCR	OR	OFF	2006/05/30 16:48
S10	11	("3075382"   "3596510"   "4926675"   "5026348"   "5349852").PN. OR ("5641892").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/05/30 16:49
S11	4	S10 and microphone	US-PGPUB; USPAT; USOCR	OR	OFF	2006/05/30 16:50
S12	2	"5811659"	US-PGPUB; USPAT; USOCR	OR	OFF	2006/05/30 16:50
S13	4	"5887586"	US-PGPUB; USPAT; USOCR	OR	OFF	2006/05/30 16:50
S14	108	"5957124"	US-PGPUB; USPAT; USOCR	OR	OFF	2006/05/30 16:51
S15	3	S14 and microphone	US-PGPUB; USPAT; USOCR	OR	OFF	2006/05/30 16:51
S16	1	"6321597"	US-PGPUB; USPAT; USOCR	OR	OFF	2006/05/30 16:51
S17	1	"6808369"	US-PGPUB; USPAT; USOCR	OR	OFF	2006/05/30 16:52
S18	0	2003/0146300	US-PGPUB; USPAT; USOCR	OR	OFF	2006/05/30 16:52
S19	1	"20030146300"	US-PGPUB; USPAT; USOCR	OR	OFF	2006/05/30 16:52
S20	1291	(128/200.14).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2006/05/31 09:12
S21	84867	"20" and microphone	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2006/05/31 09:13

## EAST Search History

S22	1291	(128/200.14).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2006/05/31 09:13
S23	16	S22 and microphone	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2006/05/31 09:25
S24	309	(128/200.18).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2006/05/31 09:26
S25	2	S24 and microphone	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/05/31 09:27
S26	461	(128/200.21).CCLS.	USPAT; USOCR	OR	OFF	2006/05/31 09:27
S27	1	S26 and microphone	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/05/31 09:30
S28	245	(128/200.22).CCLS.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/05/31 09:30
S29	0	S28 and microphone	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/05/31 09:31
S30	1319	(128/203.12).CCLS.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/05/31 09:31
S31	19	S30 and microphone	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/05/31 09:39
S32	197	(128/203.14).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2006/05/31 09:39
S33	3	S32 and microphone	USPAT	OR	OFF	2006/05/31 09:44
S34	472	(128/205.23).CCLS.	USPAT; USOCR	OR	OFF	2006/05/31 09:45

## EAST Search History

S35	26	S34 and microphone	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/05/31 10:01
S36	1441	(128/205.24).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2006/05/31 10:01
S37	16	S36 and microphone	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2006/05/31 10:02
S38	447	(73/149).CCLS.	USPAT; USOCR	OR	OFF	2006/05/31 10:02
S39	30	S38 and microphone	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2006/05/31 10:13
S40	156	(137/565.01).CCLS.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/05/31 10:13
S41	2	S40 and microphone	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2006/05/31 10:14
S42	470	(137/565.34).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2006/05/31 10:15
S43	1	S42 and microphone	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/05/31 10:15
S44	205	(261/27).CCLS.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/05/31 10:15
S45	0	S44 and microphone	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/05/31 10:16

## EAST Search History

S46	49	("4860928" "6319398" "4294689" "5326977" "4386530" "6211786" "6211786" "4413267" "4775792" "4812856" "6306104" "5611047" "4880631" "6383612" "5463294" "6170937" "5333508" "6396770" "4990308" "4867665" "5249935" "5433342" "6269221" "6282368" "4261301" "4281219" "4283742" "4322691" "4335695" "4411500" "4413188" "4423370" "4473857" "4519601" "4532443" "4534174" "4544947" "4547260" "4549218" "4551742" "4551650" "4555635" "4585538" "4592143" "4595876" "4607366" "4613963" "4623903" "4756669" "4762659").pn.	USPAT	OR	OFF	2006/05/31 10:31
S47	50	("4777623" "4779261" "4795902" "4795904" "4803446" "4816963" "4830613" "4834505" "4837415" "4847793" "4857821" "4857932" "4860349" "4878032" "4879473" "4890261" "4897837" "4897839" "4906056" "4912311" "4926338" "4930915" "4963955" "4963944" "4979233" "4984659" "4990302" "4998365" "5021622" "5022494" "5025214" "5176787" "5185644" "5193156" "5204544" "5208474" "5208904" "5211226" "5218548" "5233429" "5234079" "5243300" "5255351" "5278086" "5281786" "5283476" "5285735" "5301140" "5315502" "5323072").pn.	USPAT	OR	OFF	2006/05/31 10:34
S48	50	("5333259" "5343013" "5343484" "5343756" "5357354" "5373475" "5379717" "5383482" "5390224" "5394120" "5415481" "5422637" "5428691" "5434883" "5436747" "5448295" "5450033" "5450036" "5453935" "5457454" "5459350" "5461671" "5462008" "5470392" "5479068" "5479396" "5483574" "5489973" "5491383" "5515011" "5521751" "5522053" "5547751" "5574474" "5593791" "5621908" "5678128" "5688328" "5691953" "5705436" "5717886" "5748549" "5805017" "5811883" "5819205" "5818289" "5841853" "5847934" "5850088" "5895482").pn.	USPAT	OR	OFF	2006/05/31 10:35

## EAST Search History

S49	49	("5910873" "5920706" "5940830" "5940128" "5963942" "5969533" "5977809" "5982377" "5992962" "5995433" "6010161" "6029180" "6034564" "6075173" "6075930" "6078037" "6076732" "6111395" "6128221" "6128895" "6133902" "6154088" "6163164" "6167101" "6181030" "6190128" "6195279" "6205148" "6222761" "6222761" "6236595" "6242948" "6268853" "6366404" "6424589" "6430583" "6796819" "7006966" "6467476" "7021560" "5247927" "4415012" "4564038" "4815146" "4839911" "5006192" "5243373" "5294956" "5366364" "5603893").pn.	USPAT	OR	OFF	2006/05/31 10:35
S50	31	(US-20050066962-\$ or US-20050066963-\$ or US-20030205229-\$).did. or (US-5575310-\$ or US-5533389-\$ or US-4991433-\$ or US-4811595-\$ or US-7021560-\$ or US-6985798-\$ or US-5156776-\$ or US-6321597-\$ or US-5842468-\$ or US-4072046-\$ or US-6705319-\$ or US-4561298-\$ or US-4599892-\$ or US-6808369-\$ or US-5526844-\$ or US-6889690-\$ or US-4474061-\$ or US-5641892-\$ or US-5349852-\$ or US-6085740-\$ or US-5758637-\$ or US-6152130-\$ or US-5824892-\$ or US-6581452-\$ or US-6467476-\$).did. or (US-3286098-\$ or US-2837914-\$ or US-3075382-\$).did.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/05/31 10:46
S51	8	S50 and (atomizer or nebulizer or spray or mist)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/05/31 10:47
S52	16	atomizer and microphone and source and air and fluid and signal and valve	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2006/06/13 14:39
S53	13	"4370968"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2006/06/13 14:47

## EAST Search History

S54	125	"4484577"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2006/06/13 14:48
S55	109	"4484577"	USPAT	OR	OFF	2006/06/13 14:49
S56	20	"5349852"	USPAT	OR	OFF	2006/06/13 14:50
S57	6	"5526844"	USPAT	OR	OFF	2006/06/13 16:35
S58	38	"5533389"	USPAT	OR	OFF	2006/06/13 14:50
S59	27	"5575310"	USPAT	OR	OFF	2006/06/13 14:51
S60	9	"5842468"	USPAT	OR	OFF	2006/06/13 14:51
S61	17	"5884620"	USPAT	OR	OFF	2006/06/13 14:52
S62	41	"5906202"	USPAT	OR	OFF	2006/06/13 14:52
S63	78	"5957124"	USPAT	OR	OFF	2006/06/13 14:53
S64	10	"6008468"	USPAT	OR	OFF	2006/06/13 14:55
S65	18	"6026808"	USPAT	OR	OFF	2006/06/13 14:55
S66	17	"6095141"	USPAT	OR	OFF	2006/06/13 14:56
S67	25	"6167880"	USPAT	OR	OFF	2006/06/13 14:56
S68	22	"6192882"	USPAT	OR	OFF	2006/06/13 14:56
S69	4	"6349719"	USPAT	OR	OFF	2006/06/13 14:57
S70	1	2002/0153006	US-PGPUB; USPAT	OR	OFF	2006/06/13 14:57
S71	1	"20020153006"	US-PGPUB; USPAT	OR	OFF	2006/06/13 16:36
S72	1	"9848873"	EPO	OR	OFF	2006/06/13 14:59
S73	1	"9937347"	EPO	OR	OFF	2006/06/13 14:59
S74	0	"0158514"	EPO	OR	OFF	2006/06/13 14:59
S75	0	"01/58514"	EPO	OR	OFF	2006/06/13 15:01
S76	25	"4474061"	US-PGPUB; USPAT; EPO	OR	OFF	2006/06/13 16:30
S77	32	"4811595"	US-PGPUB; USPAT; EPO	OR	OFF	2006/06/13 15:02
S78	6	"5461892"	US-PGPUB; USPAT; EPO	OR	OFF	2006/06/13 15:02
S79	16	"6119684"	US-PGPUB; USPAT; EPO	OR	OFF	2006/06/13 16:32



## EAST Search History

S80	19	"5156776"	US-PGPUB; USPAT; EPO	OR	OFF	2006/06/13 16:24
S81	32	"4811595"	US-PGPUB; USPAT; EPO	OR	OFF	2006/06/13 16:25
S82	32	"5349852"	US-PGPUB; USPAT; EPO	OR	OFF	2006/06/13 16:25
S83	16	"5641892"	US-PGPUB; USPAT; EPO	OR	OFF	2006/06/13 16:30
S84	6	"4370968"	US-PGPUB; USPAT; EPO	OR	OFF	2006/06/13 16:33
S85	120	"4484577"	US-PGPUB; USPAT; EPO	OR	OFF	2006/06/13 16:33
S86	38	"5533389"	USPAT	OR	OFF	2006/06/13 16:35
S87	19	"5156776"	US-PGPUB; USPAT	OR	OFF	2006/06/13 16:37
S88	12	"5443059"	US-PGPUB; USPAT	OR	OFF	2006/06/13 16:39
S89	170	"5522385"	US-PGPUB; USPAT	OR	OFF	2006/06/13 16:41
S90	16	"5641892"	US-PGPUB; USPAT	OR	OFF	2006/06/13 16:43
S91	2	"5811659"	US-PGPUB; USPAT	OR	OFF	2006/06/13 16:44
S92	4	"5887586"	US-PGPUB; USPAT	OR	OFF	2006/06/13 16:45
S93	110	"5957124"	US-PGPUB; USPAT	OR	OFF	2006/06/13 16:46
S94	1	"6321597"	US-PGPUB; USPAT	OR	OFF	2006/06/13 16:47
S95	1	"6808369"	US-PGPUB; USPAT	OR	OFF	2006/06/13 16:47
S96	1	"20030146300"	US-PGPUB; USPAT	OR	OFF	2006/06/13 16:47

## EAST Search History

S97	34	(US-20050066963-\$ or US-20050066735-\$ or US-20050067511-\$ or US-20030205229-\$).did. or (US-5641892-\$ or US-5533389-\$ or US-6985798-\$ or US-6889690-\$ or US-5887586-\$ or US-4991433-\$ or US-6808369-\$ or US-5156776-\$ or US-6705319-\$ or US-5575310-\$ or US-4811595-\$ or US-5811659-\$ or US-5349852-\$ or US-7021560-\$ or US-5526844-\$ or US-6321597-\$ or US-5842468-\$ or US-4474061-\$ or US-4599892-\$ or US-4561298-\$ or US-4072046-\$ or US-6085740-\$ or US-5758637-\$ or US-6467476-\$ or US-6152130-\$ or US-6581452-\$). did. or (US-5824892-\$).did. or (US-3286098-\$ or US-3075382-\$ or US-2837914-\$).did.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/06/14 13:52
S98	34	(US-20050066963-\$ or US-20050066735-\$ or US-20050067511-\$ or US-20030205229-\$).did. or (US-5641892-\$ or US-5533389-\$ or US-6985798-\$ or US-6889690-\$ or US-5887586-\$ or US-4991433-\$ or US-6808369-\$ or US-5156776-\$ or US-6705319-\$ or US-5575310-\$ or US-4811595-\$ or US-5811659-\$ or US-5349852-\$ or US-7021560-\$ or US-5526844-\$ or US-6321597-\$ or US-5842468-\$ or US-4474061-\$ or US-4599892-\$ or US-4561298-\$ or US-4072046-\$ or US-6085740-\$ or US-5758637-\$ or US-6467476-\$ or US-6152130-\$ or US-6581452-\$). did. or (US-5824892-\$).did. or (US-3286098-\$ or US-3075382-\$ or US-2837914-\$).did.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/06/14 14:20
S99	15	S98 and processor and signal and output and acoustic	US-PGPUB; USPAT; USOCR	OR	OFF	2006/06/14 14:00
S100	12	S98 and processor and signal and output and acoustic and transducer	US-PGPUB; USPAT; USOCR	OR	OFF	2006/06/14 14:01
S101	5	S98 and processor and signal and output and acoustic and transducer and aerosol	US-PGPUB; USPAT; USOCR	OR	OFF	2006/06/14 14:05
S102	16	"5641892"	US-PGPUB; USPAT; USOCR	OR	OFF	2006/06/14 14:06

## EAST Search History

S10 3	16	"6119684"	US-PGPUB; USPAT; USOCR	OR	OFF	2006/06/14 14:06
S10 4	25	"4474061"	US-PGPUB; USPAT; USOCR	OR	OFF	2006/06/14 14:07
S10 5	32	"5349852"	US-PGPUB; USPAT; USOCR	OR	OFF	2006/06/14 14:07
S10 6	32	"4811595"	US-PGPUB; USPAT; USOCR	OR	OFF	2006/06/14 14:07
S10 7	9	S98 and atomizer	US-PGPUB; USPAT; USOCR	OR	OFF	2006/06/14 14:56
S10 8	32	"5349852"	US-PGPUB; USPAT; USOCR	OR	OFF	2006/06/14 14:56
S10 9	101	acoustic and signal and volume and aerosol and processor and valve	USPAT	OR	OFF	2006/06/14 15:37
S11 0	34	(US-20050066963-\$ or US-20050066735-\$ or US-20050067511-\$ or US-20030205229-\$).did. or (US-5641892-\$ or US-5533389-\$ or US-6985798-\$ or US-6889690-\$ or US-5887586-\$ or US-4991433-\$ or US-6808369-\$ or US-5156776-\$ or US-6705319-\$ or US-5575310-\$ or US-4811595-\$ or US-5811659-\$ or US-5349852-\$ or US-7021560-\$ or US-5526844-\$ or US-6321597-\$ or US-5842468-\$ or US-4474061-\$ or US-4599892-\$ or US-4561298-\$ or US-4072046-\$ or US-6085740-\$ or US-5758637-\$ or US-6467476-\$ or US-6152130-\$ or US-6581452-\$). did. or (US-5824892-\$).did. or (US-3286098-\$ or US-3075382-\$ or US-2837914-\$).did.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/06/14 15:37
S11 1	2	acoustic and signal and volume and aerosol and processor and valve and S110	USPAT	OR	OFF	2006/06/14 15:41
S11 2	266	acoustic and signal and volume and aerosol and valve and output.	USPAT	OR	OFF	2006/06/14 15:41
S11 3	23	(acoustic with signal) and volume and aerosol and valve and output	USPAT	OR	OFF	2006/06/14 15:41
S11 4	1	"6985798"	USPAT	OR	OFF	2006/06/14 17:23

## EAST Search History

S11 5	49	("4880631" "6383612" "6083761" "7021560" "6269221" "6282368" "4276260" "5408184" "5537194" "5591636" "5688687" "5989238" "6048721" "6210347" "6210347" "5362965" "5468656" "5672551" "5778284" "5796400" "5909477" "4755180" "5792097" "6117109" "6264652" "6706519" "5419188" "5460284" "5485935" "5674587" "5690431" "5717514" "5737115" "5739801" "5767826" "5824050" "5892497" "5919409" "6395957" "5178138" "5277175" "5724986" "5881956" "5954047" "6026808" "6095141" "6427682" "6467476" "4895719" "6113008").pn.	USPAT	OR	OFF	2006/06/14 17:25
S11 6	50	("4860928" "6319398" "4867665" "5249935" "5433342" "5332377" "5953087" "6258063" "6838061" "5964481" "4990308" "4500093" "4935169" "6170937" "6604492" "6694809" "6834848" "6892762" "4997348" "5574658" "6468433" "4568250" "4976465" "6070276" "4498847" "4508089" "4564084" "4574850" "4758141" "4784646" "4826482" "4828218" "4867676" "4877585" "4974754" "5268020" "5273525" "5283593" "5287850" "5312039" "5329899" "5332378" "5337791" "5354537" "5368455" "5518374" "5587128" "5660058" "5730712" "5735831").pn.	USPAT	OR	OFF	2006/06/14 17:34
S11 7	49	("5753512" "5794823" "5809377" "5809376" "5820610" "5823198" "5823091" "5832904" "5840026" "5888530" "5975868" "5989423" "6004129" "6047790" "6062758" "6111187" "6129737" "6139539" "6139524" "6145974" "6158472" "6195504" "6213729" "6213729" "6281253" "6287765" "6296847" "6311781" "6315480" "6338840" "6368613" "6393338" "6436722" "6764472" "6837689" "6869551" "6918375" "5358377" "5429739" "5450364" "5490240" "5515497" "5531202" "5549111" "5550941" "5555534" "5623687" "5651426" "5668653" "5675554").pn.	USPAT	OR	OFF	2006/06/14 17:35

## EAST Search History

S11 8	1299	(128/200.14).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2006/06/15 16:37
S11 9	151	S118 and aerosol\$ and (controller or processor) and volume	US-PGPUB; USPAT	OR	OFF	2006/06/15 16:42
S12 0	94	S118 and aerosol\$ and (controller or processor) and volume and (acoustic\$ or vibrat\$)	US-PGPUB; USPAT	OR	OFF	2006/06/15 16:43
S12 1	1	"6994328"	USPAT	OR	OFF	2006/06/23 08:22
S12 2	348	signal and (processor or controller) and valve and powder and fluid and (acoustic or sound)	USPAT	OR	OFF	2006/06/23 08:24
S12 3	46	signal and (processor or controller) and valve and powder and fluid and (acoustic or sound) and "128"/\$. ccls.	USPAT	OR	OFF	2006/06/23 08:27
S12 4	44	signal and (processor or controller) and valve and powder and fluid and (acoustic or sound) and "128"/\$. ccls. and liquid	USPAT	OR	OFF	2006/06/23 08:35
S12 5	48	("4860928" "6319398" "6467476" "7021560" "6211786" "6211786" "4294689" "5326977" "4386530" "7057478" "4413267" "4775792" "4812856" "6306104" "5611047" "4867665" "5249935" "5433342" "6269221" "6282368" "6170937" "5586550" "5758637" "6085740" "5333508" "6396770" "5178138" "5724986" "5954047" "6026808" "6095141" "6427682" "4307432" "4619597" "4631013" "4801412" "5247927" "4415012" "4564038" "4815146" "4839911" "5006192" "5243373" "5294956" "5366364" "5603893" "5662848" "6210570" "6210570" "4401857").pn.	USPAT	OR	OFF	2006/06/23 09:18

## EAST Search History

S12 6	49	("4614410" "4765383" "4776661" "5185548" "6045711" "6222426" "6222426" "4261301" "4281219" "4283742" "4322691" "4335695" "4411500" "4413188" "4423370" "4473857" "4519601" "4532443" "4534174" "4544947" "4547260" "4549218" "4551742" "4551650" "4555635" "4585538" "4592143" "4595876" "4607366" "4613963" "4623903" "4756669" "4762659" "4777623" "4779261" "4795902" "4795904" "4803446" "4816963" "4830613" "4834505" "4837415" "4847793" "4857821" "4857932" "4860349" "4878032" "4879473" "4890261" "4897837"),pn.	USPAT	OR	OFF	2006/06/23 09:19
S12 7	50	("4897839" "4906056" "4912311" "4926338" "4930915" "4963955" "4963944" "4979233" "4984659" "4990302" "4998365" "5021622" "5022494" "5025214" "5176787" "5185644" "5193156" "5204544" "5208474" "5208904" "5211226" "5218548" "5233429" "5234079" "5243300" "5255351" "5278086" "5281786" "5283476" "5285735" "5301140" "5315502" "5323072" "5333259" "5343013" "5343484" "5343756" "5357354" "5373475" "5379717" "5383482" "5390224" "5394120" "5415481" "5422637" "5428691" "5434883" "5436747" "5448295" "5450033"),pn.	USPAT	OR	OFF	2006/06/23 09:42
S12 8	0	"acoustic volume transducer"	USPAT	OR	OFF	2006/06/23 09:42
S12 9	223	"volume transducer"	USPAT	OR	OFF	2006/06/23 09:42
S13 0	12	"volume transducer" and "128"/\$. ccls.	USPAT	OR	OFF	2006/06/23 09:43
S13 1	0	"10670641"	USPAT	OR	OFF	2006/06/23 09:44
S13 2	0	"10670641"	US-PGPUB; USPAT	OR	OFF	2006/06/23 09:44
S13 3	2	"10/670641"	US-PGPUB; USPAT	OR	OFF	2006/06/23 16:32
S13 4	3	"6729327"	USPAT	OR	OFF	2006/06/23 09:51
S13 5	3	"6539937"	USPAT	OR	OFF	2006/06/23 10:20

## EAST Search History

S13 6	2	"6367470"	USPAT	OR	OFF	2006/06/23 10:22
S13 7	4	"5727541"	USPAT	OR	OFF	2006/06/23 10:22
S13 8	4	"5918593"	USPAT	OR	OFF	2006/06/23 10:35
S13 9	6	"6467476"	USPAT	OR	OFF	2006/06/23 11:17
S14 0	1	"7028686"	USPAT	OR	OFF	2006/06/23 11:27
S14 1	1	"6985798"	USPAT	OR	OFF	2006/06/23 11:43
S14 2	1	"6994328"	USPAT	OR	OFF	2006/06/23 11:59
S14 3	30	"5575310"	US-PGPUB; USPAT	OR	OFF	2006/06/23 12:28
S14 4	145	acoustic and resonance and fluid and valve and processor and signal and (transducer or microphone or sensor) and aerosol\$	US-PGPUB; USPAT	OR	OFF	2006/06/23 13:56
S14 5	44	acoustic and resonance and fluid and valve and processor and signal and (transducer or microphone or sensor) and aerosol\$ and "128"/\$. ccls.	US-PGPUB; USPAT	OR	OFF	2006/06/23 12:29